

Name: \_\_\_\_\_

**at1110paper\_\_practice\_\_test (v48)**

1. Factor the expression.

$$x^2 - 3x - 10$$

2. Solve the equation.

$$11x^2 + 64x + 24 = 4x^2 - 2x - 3$$

3. Expand the following expression into standard form.

$$(9x - 7)(9x + 7)$$

4. Factor the expression.

$$49x^2 - 25$$

5. Expand the following expression into standard form.

$$(7x + 9)^2$$

6. Expand the following expression into standard form.

$$(6x + 7)(5x - 8)$$

7. Solve the equation with factoring by grouping.

$$10x^2 + 8x + 15x + 12 = 0$$

8. Solve the equation.

$$(7x - 4)(5x - 2) = 0$$